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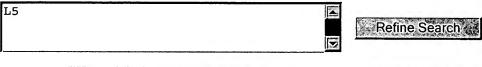
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Relevance scale

An interactive high-level debugger for control-flow optimized programs



Polle T. Zellweger

March 1983 ACM SIGPLAN Notices, ACM SIGSOFT Software Engineering Notes, Proceedings of the symposium on High-level debugging SIGSOFT '83, Volume 18, 8 Issue 8, 4

Publisher: ACM Press

Full text available: pdf(1.10 MB)

Additional Information: full citation, abstract, references

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<sup>2</sup> A thread-aware debugger with an open interface



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August 2000 ACM SIGSOFT Software Engineering Notes, Proceedings of the 2000 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '00, Volume 25 Issue 5

Publisher: ACM Press

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Additional Information: full citation, abstract, references, citings, index terms

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Keywords: active debugging, concurrency, debugging, open interface, threads

Detection and recovery of endangered variables caused by instruction scheduling



Ali-Reza Adl-Tabatabai, Thomas Gross

June 1993 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 1993 conference on Programming language design and implementation PLDI '93, Volume 28 Issue 6

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.35 MB)

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4 Adapting a debugger for optimised programs

William S. Shu

April 1993 ACM SIGPLAN Notices, Volume 28 Issue 4 Publisher: ACM Press

Full text available: 🔁 pdf(554.89 KB) Additional Information: full citation, abstract, citings, index terms

An interactive source-level debugger for optimised programs is built where the features of either debugger or optimiser may be fully expressed without undue hindrance from each other, nor degradation when they are used separately. Tracker is the link between the tools that assures this. Its role is to correct for any distortions introduced by optimisation in the debugging process. It stems from a view that opfimisation and debugging perform the same actions on a program code, albeit for differen ...

Efficient data breakpoints

Robert Wahbe September 1992 ACM SIGPLAN Notices, Proceedings of the fifth international conference on Architectural support for programming languages and operating systems ASPLOS-V, Volume 27 Issue 9

Publisher: ACM Press

Full text available: pdf(1.22 MB) Additional Information: full citation, references, citings, index terms

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December 1991 Proceedings of the conference on TRI-Ada '91: today's accomplishments; tomorrow's expectations

Publisher: ACM Press

Peter Dencker

Full text available: pdf(731.73 KB) Additional Information: full citation, references, index terms

7 Evicted variables and the interaction of global register allocation and symbolic

debugging Ali-Reza Adl-Tabatabai, Thomas Gross

March 1993 Proceedings of the 20th ACM SIGPLAN-SIGACT symposium on Principles of programming languages

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.33 MB)

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Norman Ramsey, David R. Hanson

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**Publisher: ACM Press** 

Full text available: pdf(1.22 MB)

Additional Information: full citation, abstract, references, citings, index terms

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<sup>9</sup> A new framework for debugging globally optimized code

Le-Chun Wu, Rajiv Mirani, Harish Patil, Bruce Olsen, Wen-mei W. Hwu

May 1999 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 1999 conference on Programming language design and implementation PLDI '99, Volume 34 Issue 5

Publisher: ACM Press

Full text available: pdf(1.54 MB)

Additional Information: full citation, abstract, references, citings, index terms

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10 The p2d2 project: building a portable distributed debugger

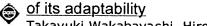
Robert Hood

January 1996 Proceedings of the SIGMETRICS symposium on Parallel and distributed tools

**Publisher: ACM Press** 

Full text available: pdf(1.56 MB)
Additional Information: full citation, references, citings, index terms

11 Standardization approach of ITRON debugging interface specification and evaluation



Takayuki Wakabayashi, Hiroaki Takada

June 2002 ACM SIGPLAN Notices, Proceedings of the joint conference on Languages, compilers and tools for embedded systems: software and compilers for embedded systems LCTES/SCOPES '02, Volume 37 Issue 7

Publisher: ACM Press

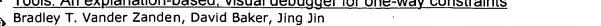
Full text available: pdf(180.57 KB) Additional Information: full citation, abstract, references, index terms

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Keywords: ITRON specification, OS-aware debugging environment, cross development system environment

12 Tools: An explanation-based, visual debugger for one-way constraints



October 2004 Proceedings of the 17th annual ACM symposium on User interface software and technology

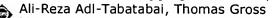
Publisher: ACM Press

Full text available: pdf(696.45 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a domain-specific debugger for one-way constraint solvers. The debugger makes use of several new techniques. First, the debugger displays only a portion of the dataflow graph, called a <i>constraint slice</i>, that is directly related to an incorrect variable. This technique helps the debugger scale to a system containing thousands of constraints. Second, the debugger presents a visual representation of the solver's data structures and uses color encodings to high ...

Keywords: constraint satisfaction, data structures, one-way constraints, software visualization, visual debugging

13 Source-level debugging of scalar optimized code



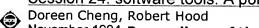
May 1996 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 1996 conference on Programming language design and implementation PLDI '96, Volume 31 Issue 5

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.29 MB)

Although compiler optimizations play a crucial role in the performance of modern computer systems, debugger technology has lagged behind in its support of optimization. Yet debugging the unoptimized translation is often impossible or futile, so handling of code optimizations in the debugger is necessary. But compiler optimizations make it difficult to provide source-level debugger functionality: Global optimizations can cause the runtime value of a variable to be inconsistent with the source-lev ...

14 Session 24: software tools: A portable debugger for parallel and distributed programs



November 1994 Proceedings of the 1994 ACM/IEEE conference on Supercomputing

Publisher: ACM Press

Full text available: pdf(996.90 KB) Additional Information: full citation, abstract, references, citings

We describe the design and implementation of a portable debugger for parallel and distributed programs. The design incorporates a client-server model in order to isolate non-portable debugger code from the user interface. The precise definition of a protocol for client-server interaction facilitates a high degree of client portability. Replication of server components permits the implementation of a debugger for distributed computations. Portability across message passing implementations is achie ...

15 Parallel programming in a virtual object space

Steven E. Lucco

December 1987 ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87, Volume

22 Issue 12

Publisher: ACM Press



Full text available: pdf(973.06 KB) Additional Information: full citation, abstract, references, citings, index terms

Sloop is a parallel language and environment that employs an object-oriented model for explicit parallel programming of MIMD multiprocessors. The Sloop runtime system transforms a network of processors into a virtual object space. A virtual object space contains a collection of objects that cooperate to solve a problem. Sloop encapsulates virtual object space semantics within the object type domain. This system-defined type provides an associative, asynchro ...

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Shuxia Tan, Eshrat Arjomandi, Richard Paige, Evan Mamas, Simon Moser, Bill O'Farrell November 2001 Proceedings of the 2001 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(312.67 KB) Additional Information: full citation, abstract, references, index terms

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Jurgen Heymann

September 1993 ACM SIGPLAN Notices, Volume 28 Issue 9

Publisher: ACM Press

Full text available: 🔁 pdf(752.49 KB) Additional Information: full citation, index terms

## 18 A tour through cedar

Warren Teitelman

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Publisher: IEEE Press

Full text available: pdf(2.08 MB) Additional Information: full citation, references, citings, index terms

## 19 Experiences with building distributed debuggers

Michael S. Meier, Kevan L. Miller, Donald P. Pazel, Josyula R. Rao, James R. Russell January 1996 Proceedings of the SIGMETRICS symposium on Parallel and distributed tools

Publisher: ACM Press

Full text available: pdf(1.34 MB) Additional Information: full citation, references, index terms

## <sup>20</sup> Debugging object-oriented programs with behavior views

Donglin Liang, Kai Xu

September 2005 Proceedings of the sixth international symposium on Automated analysis-driven debugging AADEBUG'05

Publisher: ACM Press

Full text available: the pdf(764.68 KB) Additional Information: full citation, abstract, references, index terms

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**Keywords**: debugging language, execution monitoring, secenario-driven

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1 An interactive high-level debugger for control-flow optimized programs



Polle T. Zellweger

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Detection and recovery of endangered variables caused by instruction scheduling



June 1993 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 1993 conference on Programming language design and implementation PLDI '93, Volume 28 Issue 6

Publisher: ACM Press

Full text available: pdf(1.35 MB)

Additional Information: full citation, abstract, references, citings, index terms

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Full text available: pdf(1.54 MB)

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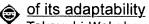
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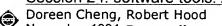
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December 1987 ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87, Volume 22 Issue 12

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# 20 Debugging object-oriented programs with behavior views

Donglin Liang, Kai Xu
September 2005 Proceedings of the sixth international symposium on Automated
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